

IN THE CLAIMS:

Please amend claims 1, 16, 50, and 51 herein. Please cancel claims 5-8, 10-15, 17-24, 27, 28, 30-33, and 35-49. Please add new claims 52 and 53. Please note that all claims currently pending and under consideration in the above-referenced application are shown below. Please enter these claims as amended. This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) ~~A reactive material, consisting essentially of:~~
~~at least one fuel comprising a compound selected from the group consisting of~~
~~hafnium, tantalum, nickel, zinc, tin, silicon, palladium, bismuth, iron, copper, phosphorous,~~
~~aluminum, tungsten, zirconium, magnesium, boron, titanium, sulfur, magnalium, and mixtures~~
~~thereof, wherein the at least one fuel is present at from approximately 10% by weight of a total~~
~~weight of a reactive material to approximately 90% by weight of the total weight of the reactive~~
~~material; and~~
~~at least one fluoropolymer selected from the group consisting of~~
~~polytetrafluoroethylene, a thermoplastic terpolymer of tetrafluoroethylene, hexafluoropropylene,~~
~~and vinylidene fluoride, a copolymer of vinylidene fluoride hexafluoropropylene, and mixtures~~
~~thereof, wherein the at least one fluoropolymer is present in the reactive material at from~~
~~approximately 5% by weight of the total weight of the reactive material to approximately 74% by~~
~~weight of the total weight of the reactive material;~~
~~wherein if the at least one fuel comprises magnesium, the at least one~~
~~fluoropolymer does not comprise polytetrafluoroethylene and vinylidene fluoride-~~
~~hexafluoropropylene~~ material comprising hafnium and a thermoplastic terpolymer of
tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride.

2-15. (Canceled)

16. (Currently Amended) ~~The reactive material of claim 1, wherein the reactive~~
~~material consists essentially of hafnium and a thermoplastic terpolymer of tetrafluoroethylene,~~
~~hexafluoropropylene, and vinylidene fluoride~~ comprises 90% by weight of hafnium and 10% by

weight of the thermoplastic terpolymer of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride.

17-24. (Canceled)

25. (Previously Presented) The reactive material of claim 1, wherein the reactive material is disposed within a munitions casing.

26. (Previously Presented) The reactive material of claim 25, wherein the reactive material is formulated to initiate upon impact with a target.

27-49. (Canceled)

50. (Currently Amended) The reactive material of ~~claim 16~~ claim 1, wherein the reactive material is present in a reactive material projectile at a mass ~~that ranges ranging~~ from approximately 1.74 g to approximately 12.99 g.

51. (Currently Amended) The reactive material of ~~claim 25~~ claim 1, wherein the reactive material is present in ~~the~~ a reactive material munition at a mass ~~that ranges ranging~~ from approximately 1.74 g to approximately 12.99 g.

52. (New) A reactive material consisting of hafnium and a thermoplastic terpolymer of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride.

53. (New) The reactive material of claim 52, wherein the reactive material consists of 90% by weight of hafnium and 10% by weight of the thermoplastic terpolymer of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride.